REMARKS

Claims 1-44 are pending in this application and stand rejected. Claims 1, 32 and 36 have been amended and a marked up version illustrating the claim amendments is annexed hereto. Applicants respectfully request reconsideration of the claim rejections based on the following remarks.

The following claim rejections have been asserted: Claims 1-5, 8-11, 32-33 and 36-39 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 5,999,970 to Krisbergh et al. in view of U.S. Patent 6285407 to Yasuki ; Claims 6 and 7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Krisbergh in view of Yasuki and further in view of U.S. Patent No. 6,141,356 to Gorman; Claims 12-14 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Krisbergh in view of Yasuki and further in view of U.S. Patent No. 5,561,703 to Arledge et al.; Claims 15-16 and 41 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Krisbergh in view of Yasuki and further in view of U.S. Patent No. 5,991,596 to Cunningham et al..; Claims 17-18 and 42-43 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Krisbergh in view of Yasuki and further in view of U.S. Patent No.6,320,941 Tyroler.; Claims 19-22, 26-28, 34-35 and 44 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Krisbergh in view of Yasuki and further in view of U.S. Patent No. 6,263,501 to Schein et al.; Claims 23-24 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Krisbergh in view of Yasuki and further in view of Schein and further in view of U.S. Patent No. 5,812,931 to Yuen et al.; Claim 25 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Krisbergh in view of Yasuki and further in view of Schein and further in view of Yuen and further in view

of Arledge; and Claims 29-31 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Krisbergh in view of Yasuki and further in view of Schein and further in view of Cunningham.

It is respectfully submitted that at the very minimum, the combination of Krisbergh and Yasuki is legally deficient to establish a *prima facie* case of obviousness against claims 1, 32 and 36, because such combination does not disclose or suggest information signals that are independently transmitted, as essentially claimed in claims 1, 32 and 36.

In fact, both Krisbergh and Yasuki , singularly and in combination, explicitly disclose that information signals are embedded in Television signals and that such signals must be extracted from the television signals for processing. In particular, Krisbergh teaches a set-top box that acts as a TV signal processor/tuner, which extracts information signals from the vertical blanking intervals embedded in TV signals. Further, Yasuki teaches a multi-function TV receiver that also extracts information signals embedded in TV signals. Thus, both the Krisbergh and Yasuki systems are intimately related and associated with TV signal processing. This actually teaches away from the claimed inventions wherein information signals are independently transmitted (e.g., not embedded in a television signal).

One advantage of the present invention is that a communication device can be coupled to a conventional television set (which essentially acts and a display device), or any other display device such as a computer monitor. The claimed communication units, as recited in claims 1, 32 and 36, do **not** act as TV receivers/tuners that extract signals

embedded in TV signals and do not require the complex decoding circuitry needed for such purpose as in the cited references.

Therefore, one of ordinary skill in the art would not necessarily rely on, or be motivated by, the teachings of Krisbergh and Yasuki , with respect to the claimed inventions. Accordingly, for at least the above reasons, claims 1, 32 and 36 are believed to be patentable and non-obvious over the combination of Krisbergh and Yasuki.

Furthermore, since the remaining claim rejections of all dependent claims are based, in part, on the combination of Krisbergh and Yasuki as applied to claims 1, 32 and 36, such rejections are believed to be legally deficient for at least the above reasons given for claims 1, 32 and 36. Thus, withdrawal of the claim rejections under 35 U.S.C. § 103 is respectfully requested.

Respectfully submitted,

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Marked-Up Version of Claim Amendments

1. (Twice Amended) A wireless information signal transfer and interactive television
system comprises:

at least a first communication unit, operatively coupled to a television set, ~~having a central processing unit, a mass storage device, and a signal combiner,~~ for generating at least one information signal and for generating ~~and displaying~~ at least one display signal for display ~~superimposed on a conventional television signal~~ on the television set;

a wireless signal transfer network, operatively coupled to the at least a first communication unit, for wirelessly transferring signals including the at least one information signal;

at least a second communication unit operatively coupled to the wireless transfer network, for receiving the at least one information signal; and

a server, operatively coupled to the at least a second communication unit, for processing the at least one information signal and providing data included in the information signal to a functional network, wherein the at least one information signal is independently transmitted.

32. (Twice Amended) A wireless information signal transfer and interactive television
system comprises:

at least a first communication unit, operatively coupled to a television set, having a central processing unit, a mass storage device, and a signal combiner, for generating at least one information signal and for generating and displaying at least one display signal superimposed on a conventional television signal on the television set;

remote data entry and control means, wirelessly coupled to the at least a first communication unit, for permitting a system user to control display of the at least one display signal on the television set and enter data corresponding to the display of the at least one display signal;

a wireless signal transfer network, operatively coupled to the at least a first communication unit, for wirelessly transferring signals including the at least one information signal;

at least a second communication unit, operatively coupled to the wireless transfer network, for receiving the at least one information signal; and

a server, operatively coupled to the at least a second communication unit, for processing the at least one information signal and providing data included in the information signal to a network;

wherein the server retrieves return data from the network and provides the return data to the at least a second communication unit, the at least a second communication unit generating at least one return information signal and providing the at least one return information signal to the wireless signal transfer network, the wireless signal transfer network wirelessly transferring the at least one return information signal to the at least a first communication unit, which generates and displays the at least one display signal superimposed on a conventional television signal on the television set, wherein the at least one information signal is independently transmitted and wherein the at least one return information signal is independently transmitted.

36. (Twice Amended) A wireless information signal transfer and interactive television system comprises:

at least a first communication unit, operatively coupled to a television set, for generating at least one information signal and for generating and displaying at least one display signal superimposed on a conventional television signal on the television set;

a remote keyboard device, wirelessly coupled to the at least a first communication unit, for permitting a system user to control display of the at least one display signal on the television set and enter data corresponding to the display of the at least one display signal;

a satellite network, operatively coupled to the at least a first communication unit, for wirelessly transferring signals including the at least one information signal;

at least a second communication unit, operatively coupled to the satellite network, for receiving the at least one information signal; and

a server, operatively coupled to the at least a second communication unit, for processing the at least one information signal and providing data included in the information signal to a network;

wherein the server retrieves return data from the network and provides the return data to the at least a second communication unit, the at least a second communication unit generating at least one return information signal and providing the at least one return information signal to the satellite network, the satellite network wirelessly transferring the at least one return information signal to the at least a first communication unit, which generates and displays the at least one display signal superimposed on a conventional television signal on the television set, wherein the at least one information signal is independently transmitted and wherein the at least one return information signal is independently transmitted.